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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference					
206.144 (P	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)			
International application No.	International filing date (day/mor	nth/year) Priority date (day/month/year)			
PCT/US03/34140 International Patent Classification (IPC) of	23 October 2003 (23.10.2003)	23 October 2002 (23.10.2002)			
IPC(7): C01B 3/32 and US C1.: 48/127.3 Applicant	, 190, 192				
SAUDI ARABIAN OIL COMPANY					
 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 					
2. This REPORT consists of a	a total of <u>3</u> sheets, including	this cover sheet.			
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).					
These annexes consist of a					
This report contains indicate	ions relating to the following it	ems:			
I Basis of the report II Priority					
	of report with regard to navo	16			
IV Lack of unity of i	nvention	lty, inventive step and industrial applicability			
V Reasoned statement under Article 35(2) with regard to povelty, inventive step or industrial					
VI Certain document	ions and explanations supporting	ng such statement			
The second of the file file file file file file file fil					
VIII Certain observations on the international application					
Date of submission of the demand	Date of	completion of this report			
07 May 2004 (07.05.2004)		mber 2004 (10.12.2004)			
Name and mailing address of the IPEA/US	Authoria	zed officer			
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents		[m			
P.O. Box 1450 Alexandria, Virginia 22313-1450	Basia I				
Facsimile No. (703) 305-3230 orm PCT/IPEA/409 (cover sheet)(July 1998	ne No. (571) 279/1700				

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International	application	140.
PCT/US03/3	4140	

I.	Basi	s of the report
1.	With	regard to the elements of the international application:*
	\boxtimes	the international application as originally filed.
	\boxtimes	the description:
		pages 1-24 as originally filed
		pages NONE , filed with the demand
	E	pages NONE , filed with the letter of
	\boxtimes	the claims:
		pages 25-30 , as originally filed
		pages NONE , as amended (together with any statement) under Article 19
		pages NONE , filed with the demand pages NONE , filed with the letter of .
	∇	
		the drawings:
		pages 1-6 , as originally filed pages NONE , filed with the demand
		pages NONE, filed with the letter of
		the sequence listing part of the description:
		pages NONE , as originally filed
		pages NONE , filed with the demand
		pages NONE , filed with the letter of
2.	With	regard to the language, all the elements marked above were available or furnished to this Authority in the
	lang	page in which the international application was filed, unless otherwise indicated under this item.
	Ines	e elements were available or furnished to this Authority in the following language which is:
	\parallel	the language of a translation furnished for the purposes of international search (under Rule23.1(b)).
	\square	the language of publication of the international application (under Rule 48.3(b)).
	Ш	the language of the translation furnished for the purposes of international preliminary examination(under Rules 55.2 and/or 55.3).
3.	With	regard to any nucleotide and/or amino acid sequence disclosed in the international application, the national preliminary examination was carried out on the basis of the sequence listing:
		contained in the international application in printed form.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority in written form.
		furnished subsequently to this Authority in computer readable form.
	\sqcap	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the
		international application as filed has been furnished.
		The statement that the information recorded in computer readable form is identical to the written sequence listing
		has been furnished.
1		The amendments have resulted in the cancellation of:
٠.		The amendments have resulted in the cancenation of:
		the description, pages NONE
		the claims, Nos. NONE
		the drawings, sheets/fig NONE
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
*	Repla	cement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in
thi.	s repo	rt as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). eplacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

Form PCT/IPEA/409 (Box I) (July 1998)

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US03/34140

V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
1. STATEMENT		•			
Novelty (N)	Claims	1-16	_YES		
	Claims	NONE	_NO		
Inventive Step (IS)	Claims	1-16	_YES		
	Claims	NONE	_NO		
Industrial Applicability (IA)	Claims	1-16	_YES		
	Claims	NONE	_NO		

2. CITATIONS AND EXPLANATIONS

Claims 1-16 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest a method and system for superheating of a compressed natural gas stream for transmission through a pipeline, comprising dividing a stream of natural gas discharged from a high pressure gas compressor into a first portion and a second portion, passing the first portion of the gas from the gas compressor to a heat exchanger to heat the gas to a predetermined temperature, passing the first portion of gas exiting the heat exchanger to an aftercooler, passing the second portion of gas and the first portion of gas being mixed at the aftercooler without passing it through the heat exchanger, the second portion of gas and the first portion of gas being mixed at the aftercooler inlet and cooled by the aftercooler and discharged from the aftercooler as a cooled gas stream having temperature no greater than the first temperature, passing the cooled gas stream from the aftercooler to a liquid discharge drum to remove condensate from the cooled gas and discharging from the drum a partially dried gas stream as a second temperature, passing the partially dried gas from the discharge drum to the heat exchanger in heat exchanging relation with the first portion of gas from the gas compressor, and superheating at least a portion of the gas stream to a third temperature to provide a superheated gas stream, the third temperature being controlled by an automated control loop responsive to a differential pressure across the gas compressor, and passing the superheated gas stream into a tie-line and injecting a predetermined amount of an enhanced corrosion inhibitor formulation into the tie-line to mix with the superheated gas stream, where the amount of enhanced corrosion inhibitor injected is proportionated in response to the third temperature.

Claims 1-16 meet criteria of industrial applicability under PCT Article 33(4) because claimed system can be used to provide natural gas comprising corrosion inhibitor from a gas oil separation plant to a gas plant.